



FEMA



Prepared by
Jennifer McNatt

FEMA Region 6 Weather Threat Briefing

Wednesday, October 17, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



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Today and Thursday

- **Heavy rain/ flash flooding continues today over W-Central and SW TX.**
 - Isolated heavy rain / flooding possible from N-Central TX through STX late tonight into Thursday morning.
- **Winter Weather expected through midday today over portions of NM; additional snow amounts of 1-4 inches are possible in the higher elevations.**
- **On Thursday, heavy rain/flash flooding possible for already vulnerable portions of W-Central and SW TX...as well as the middle and southern TX coast.**

Friday - Sunday

- **Isolated heavy rain / flooding possible over N-Central TX on Friday. Isolated flash flooding possible into S-Central TX where soils are completely saturated and there is ongoing flooding.**
- **By Saturday, rain chances linger from NE through Central and SW TX, may see additional flooding concerns. On Sunday, it appears that most of the rain will be focused down in STX, some heavy rain / flood potential down there.**

River Flood Status

- **Moderate to Major River flooding is ongoing or expected across NE, Central, S and E TX.**
 - The Llano River near Llano should continue to fall and be out of flood stage tomorrow.
 - Chambers Creek near Rice (SSE of Dallas) is expected to crest today in major flood; farms and ranches may be impacted, along with rural roads.
 - Points along the Nueces river in STX will be in Major Flood at times over the next week as water moves downstream. The point near Asherton is rising and expected to crest in Major flood early Thursday with mostly agricultural impacts.
 - The Colorado River at Lake Travis is in Major Flood; homes and mobile homes at Graveyard Point are likely impacted now.
 - The Trinity River in Dallas will begin a slow fall, but points further S TX will be rising as the water moves downstream. The crest will reach Liberty (near Houston) today and tomorrow, cresting Friday into the weekend in Major flood stage; will likely impact subdivisions above Liberty.
- **Additional rainfall over the next few days will likely prolong flooding along the already impacted rivers and lead to additional moderate (to isolated major) river flooding throughout TX due to already saturated soils.**

Tropical Outlook

- **No new tropical cyclones are expected during the next five days.**

FEMA Region 6 Threat Matrix

Oct 17, 2018 – Oct 21, 2018



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DAY / THREAT	WED	THU	FRI	SAT	SUN
Severe Storms					
Heavy Rain / Flash Flooding	W-Central & SW TX	W-Cntrl & SW TX, Middle & STX Coast	N-Cntrl into S-Cntrl TX	NETX through Cntrl and SW TX	STX
	N-Cntrl through STX				
Winter Weather	N & Cntrl NM				
Tropical Weather					
River Flooding	TX	TX	TX	STX	STX

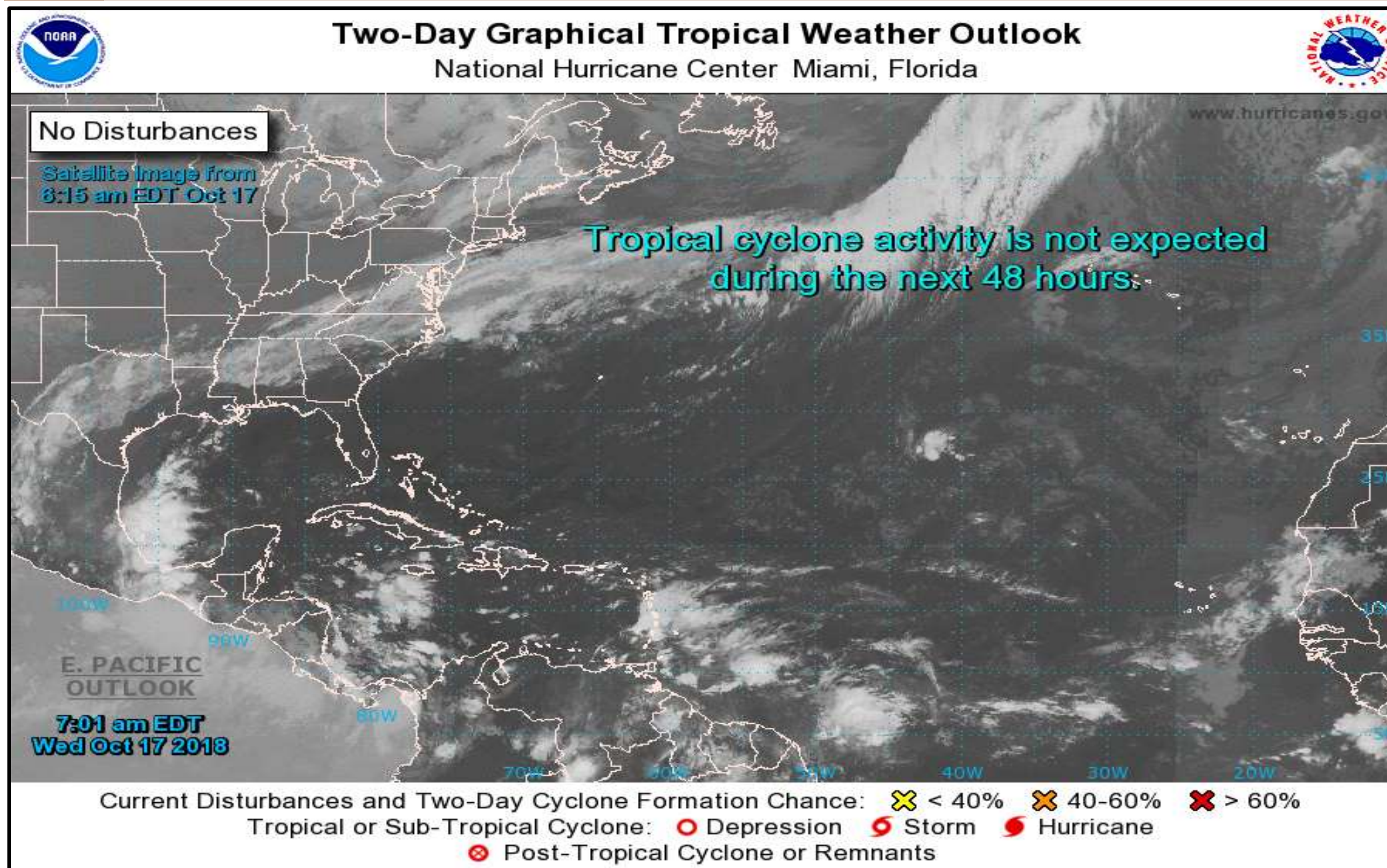
	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**Threat levels are based on FEMA Region 6 criteria.
State or local threat level criteria may differ.*
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

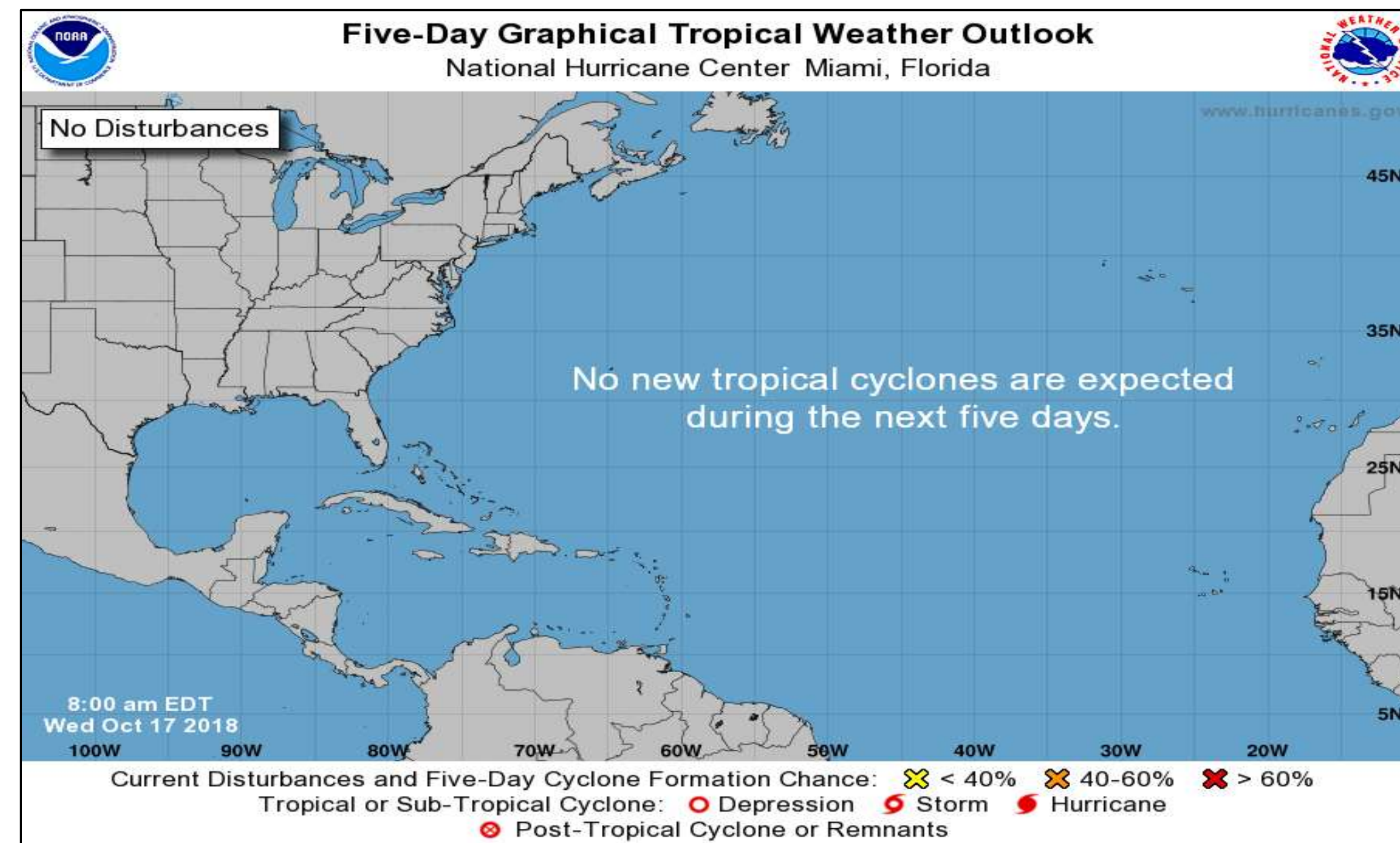
Tropical Weather Outlook – Atlantic/Gulf



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No new tropical cyclones are expected during the next five days.

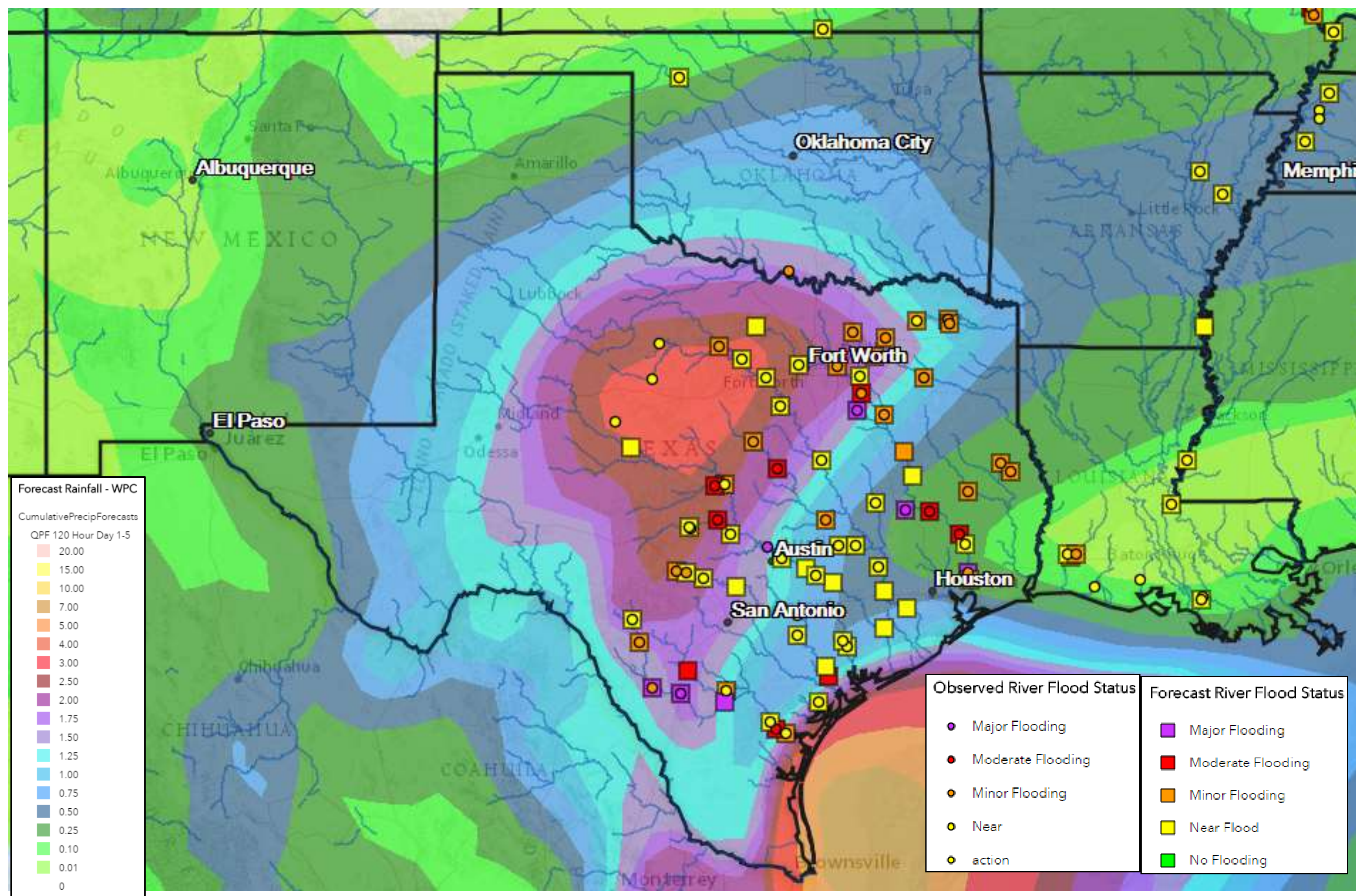


5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



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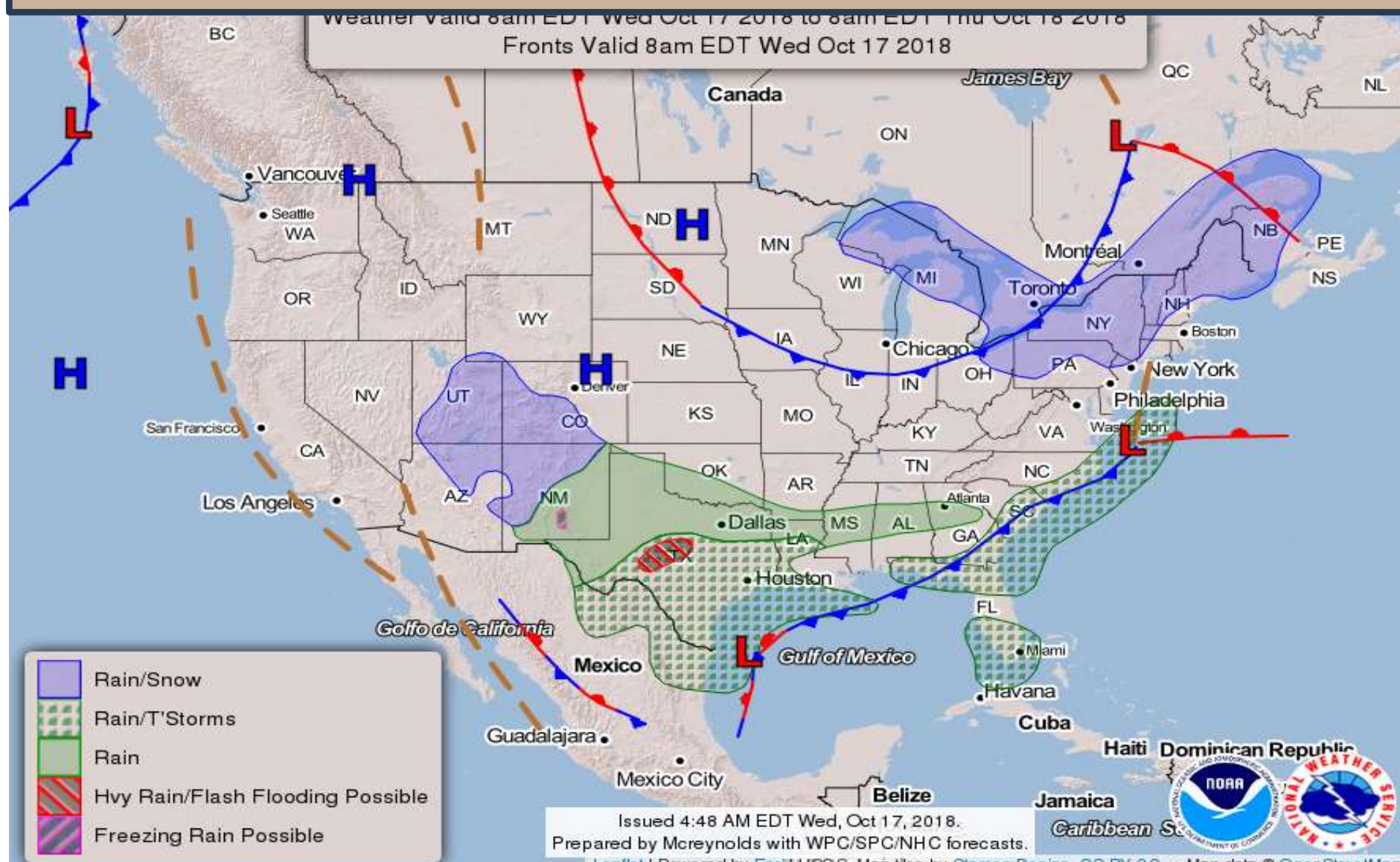
Additional rainfall over the next few days will likely prolong flooding along the already impacted rivers and lead to additional moderate (to isolated major) river flooding throughout TX due to already saturated soils.

Today's Weather

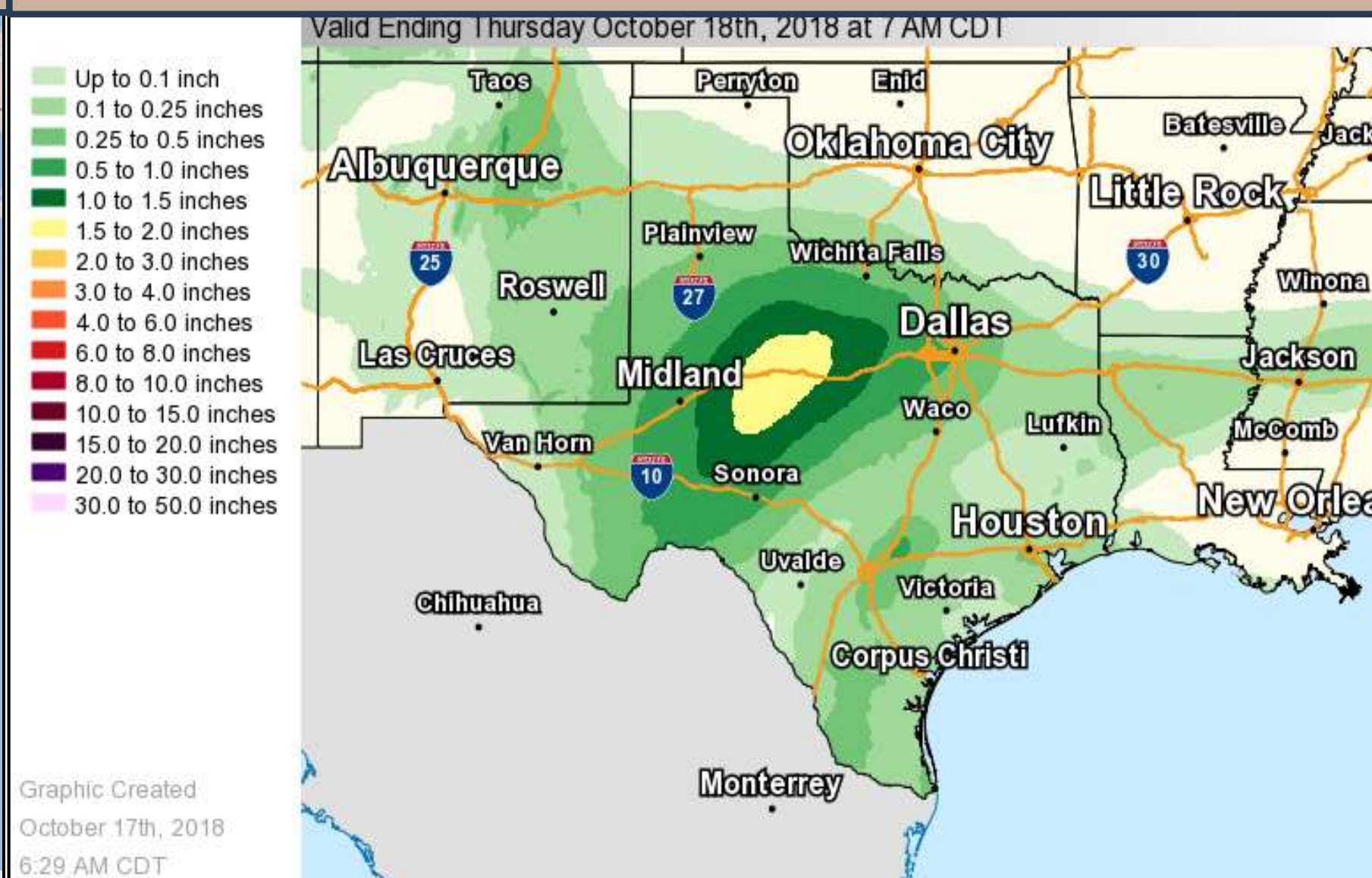


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Forecast Chart



Forecast Rainfall



Heavy rain/ flash flooding continues over W-Central and SW TX.

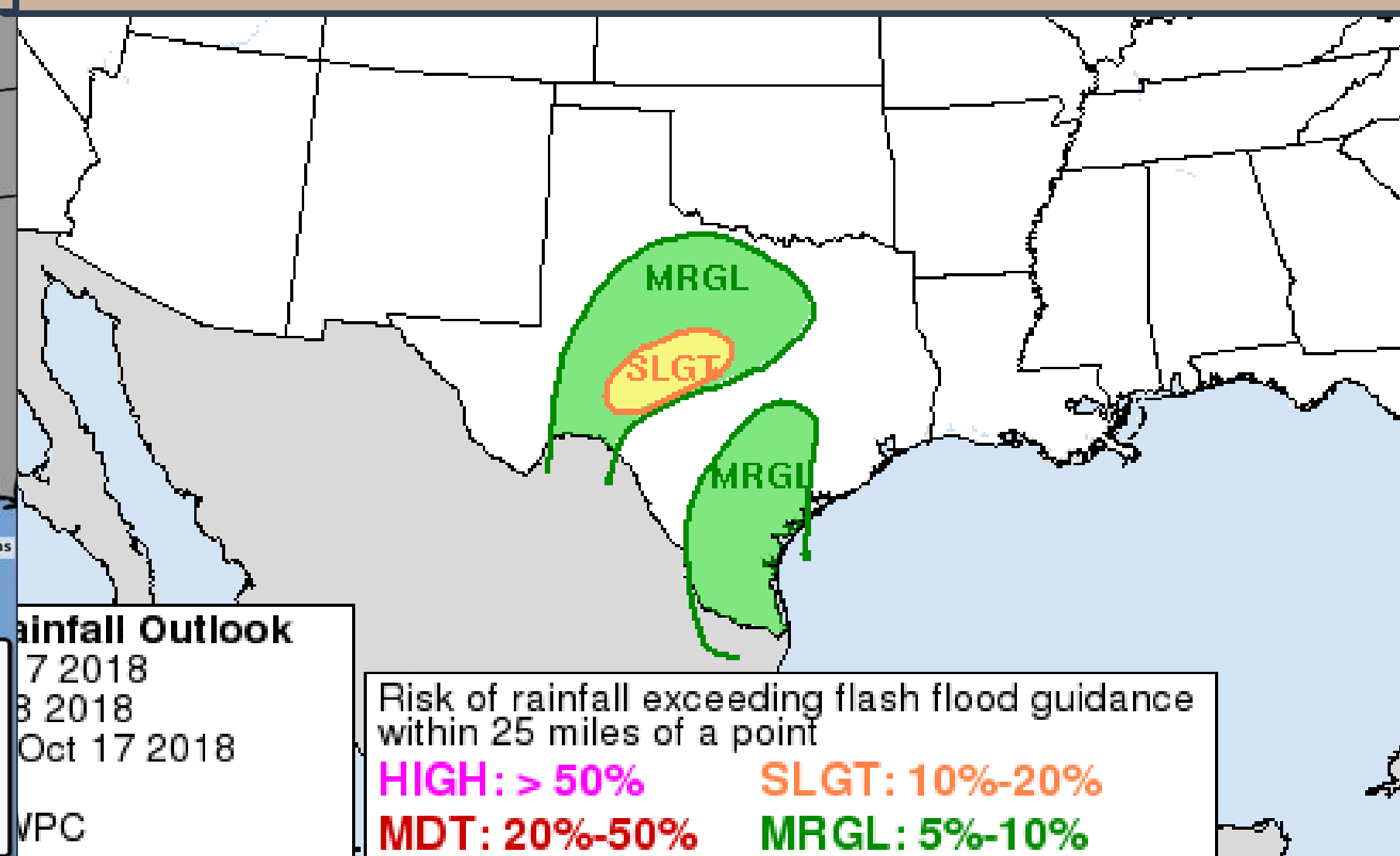
Isolated heavy rain / flooding possible from N-Central TX through S TX late tonight into Thursday morning.

Winter Weather expected through midday today over portions of NM; additional snow amounts of 1-4 inches are possible in the higher elevations.

Severe Weather Outlook



Excessive Rainfall Outlook



Watches, Warnings, and Advisories



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Fire Weather



Graphic Created

Severe Weather & Flooding



Graphic Created

**Flash flood or flood watches
continue for much of
W-Central into SW TX
through Thursday Evening.**

**Winter Weather Advisories
are in effect for portions of
NM through noon today for
the possibility of snow and a
wintry mix of precipitation.**

Strong & Gusty Winds



Graphic Created

Winter Weather



Graphic Created

Tomorrow's Weather

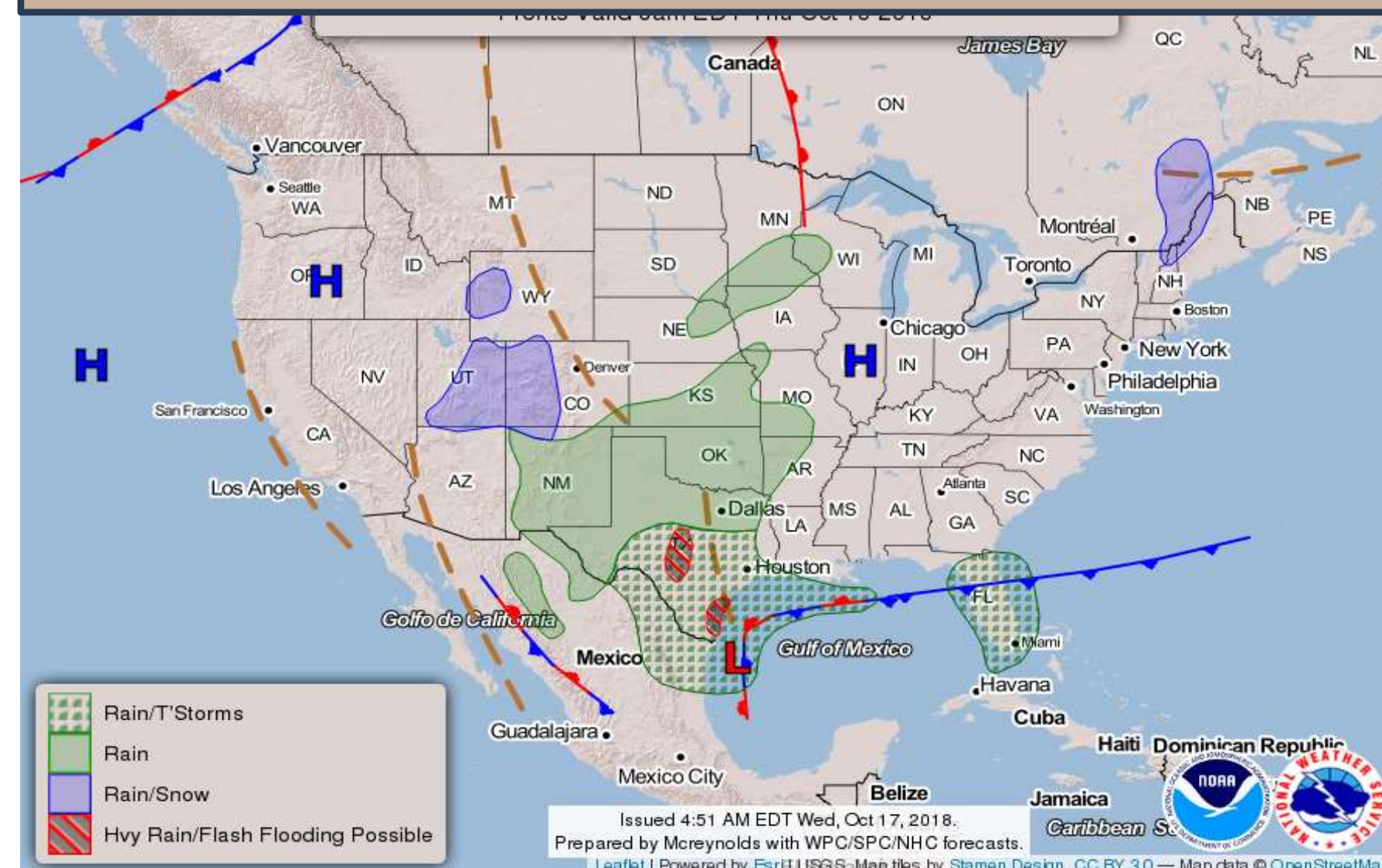


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Forecast Chart

Forecast Rainfall

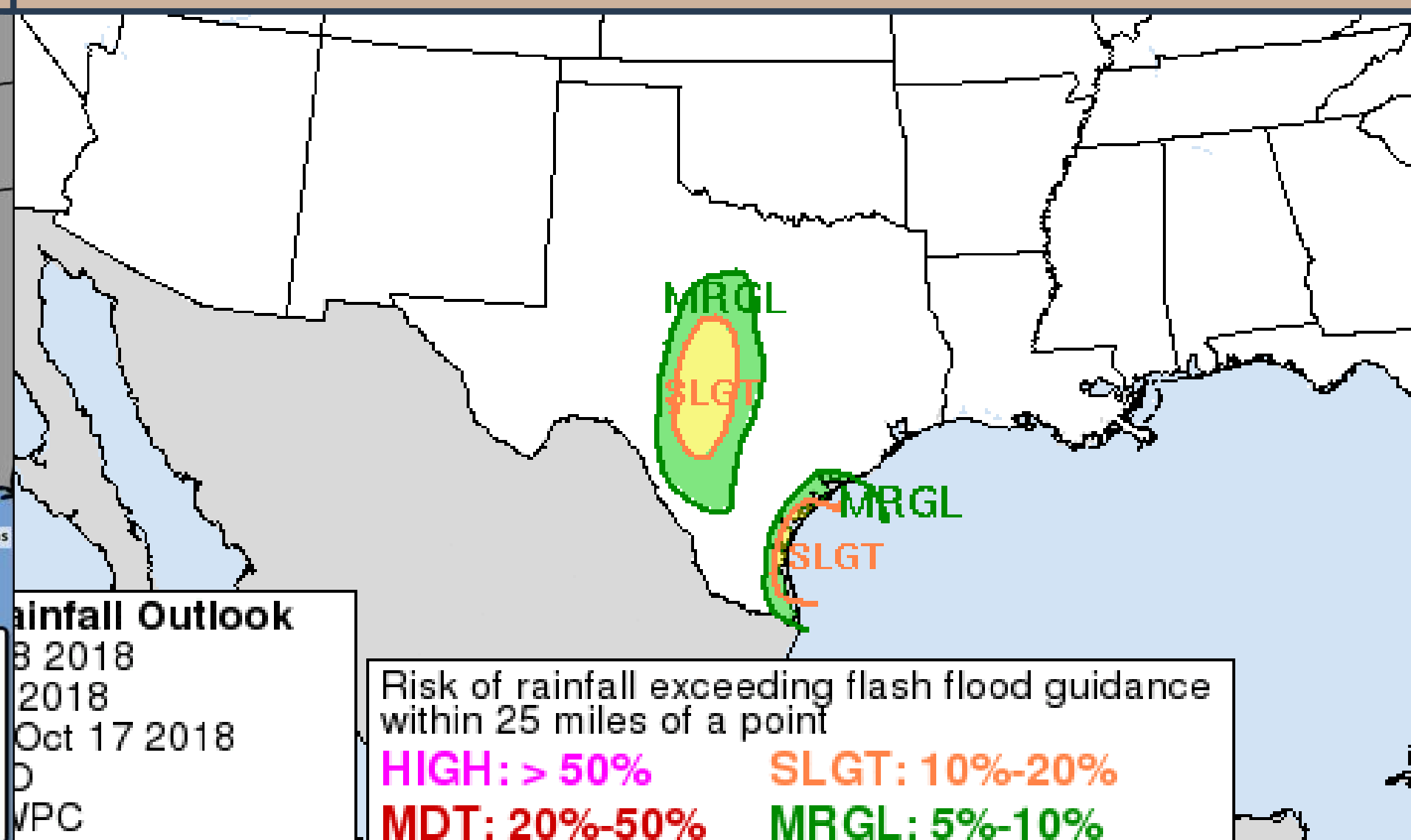
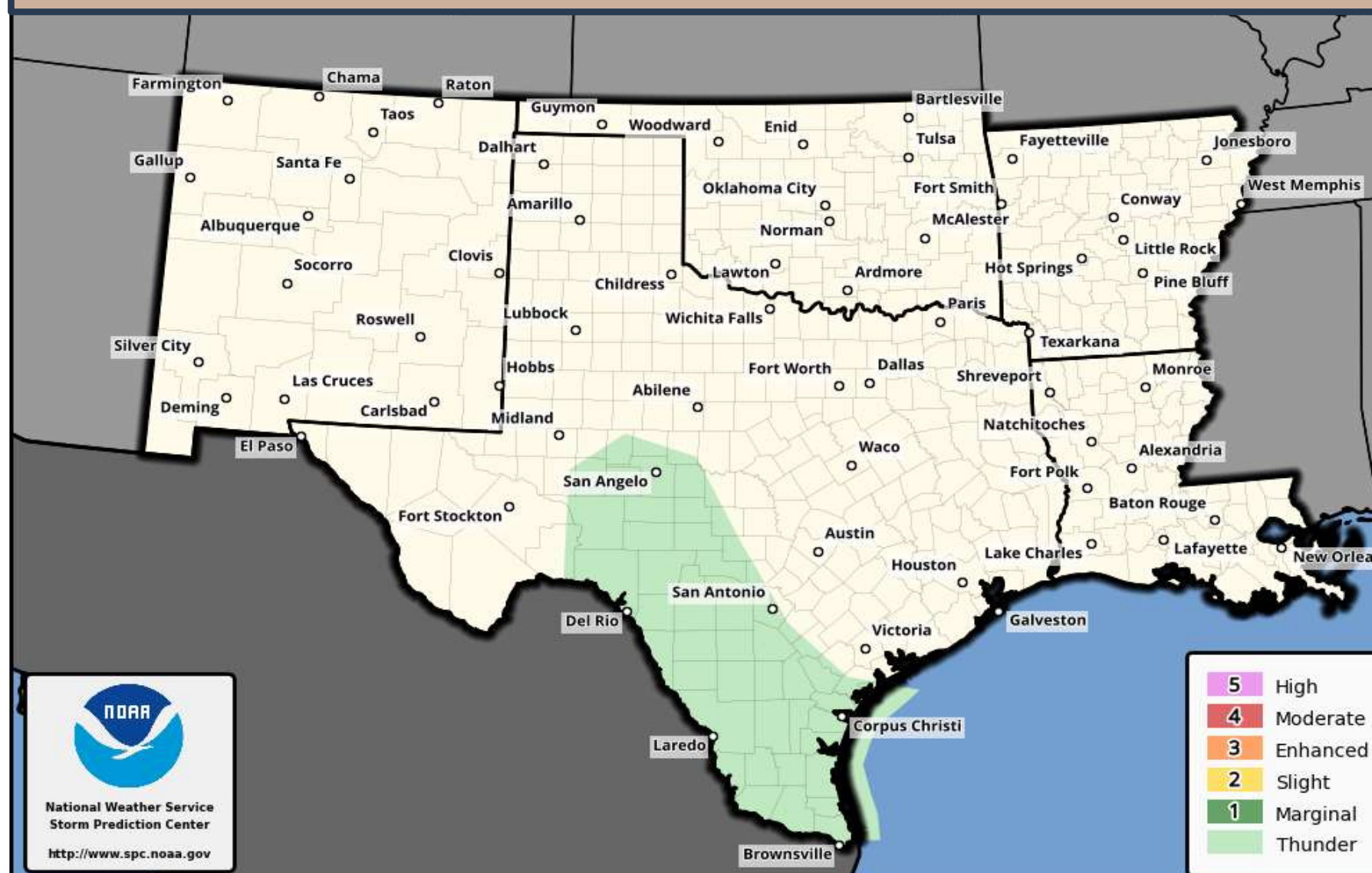
Heavy rain/flash flooding possible for already vulnerable portions of W-Central and SW TX...as well as the middle and southern TX coast.



Graphic Created
October 17th, 2018
6:30 AM CDT

Severe Weather Outlook

Excessive Rainfall Outlook



Friday's Weather

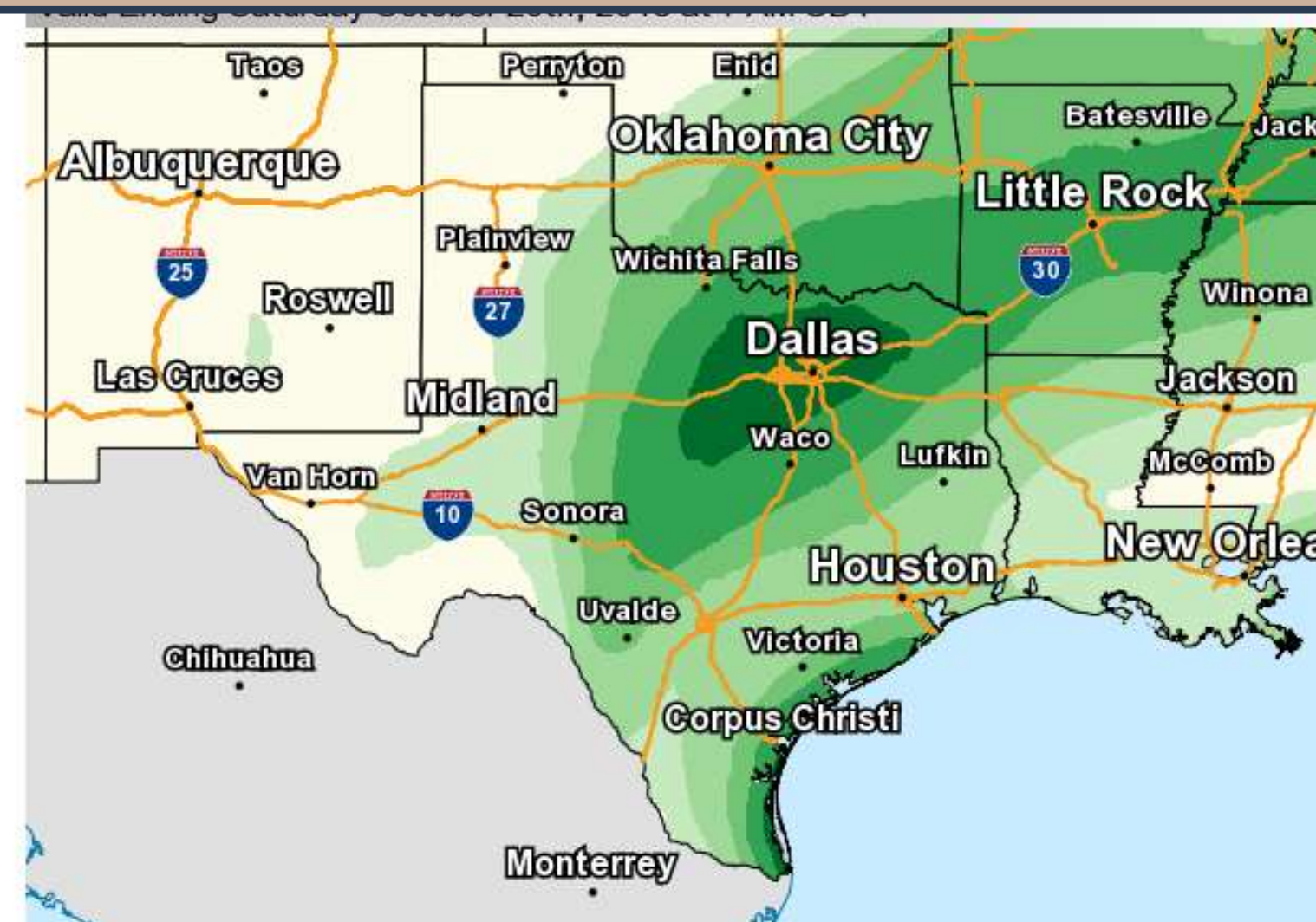
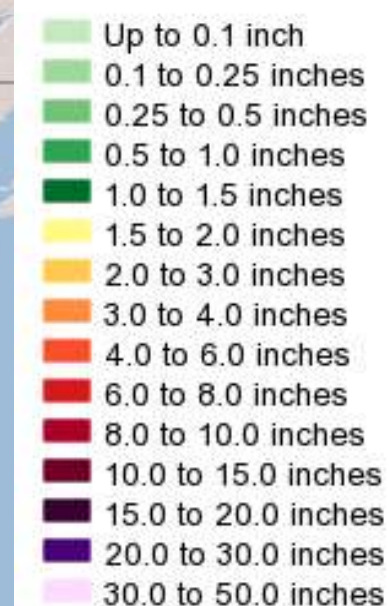
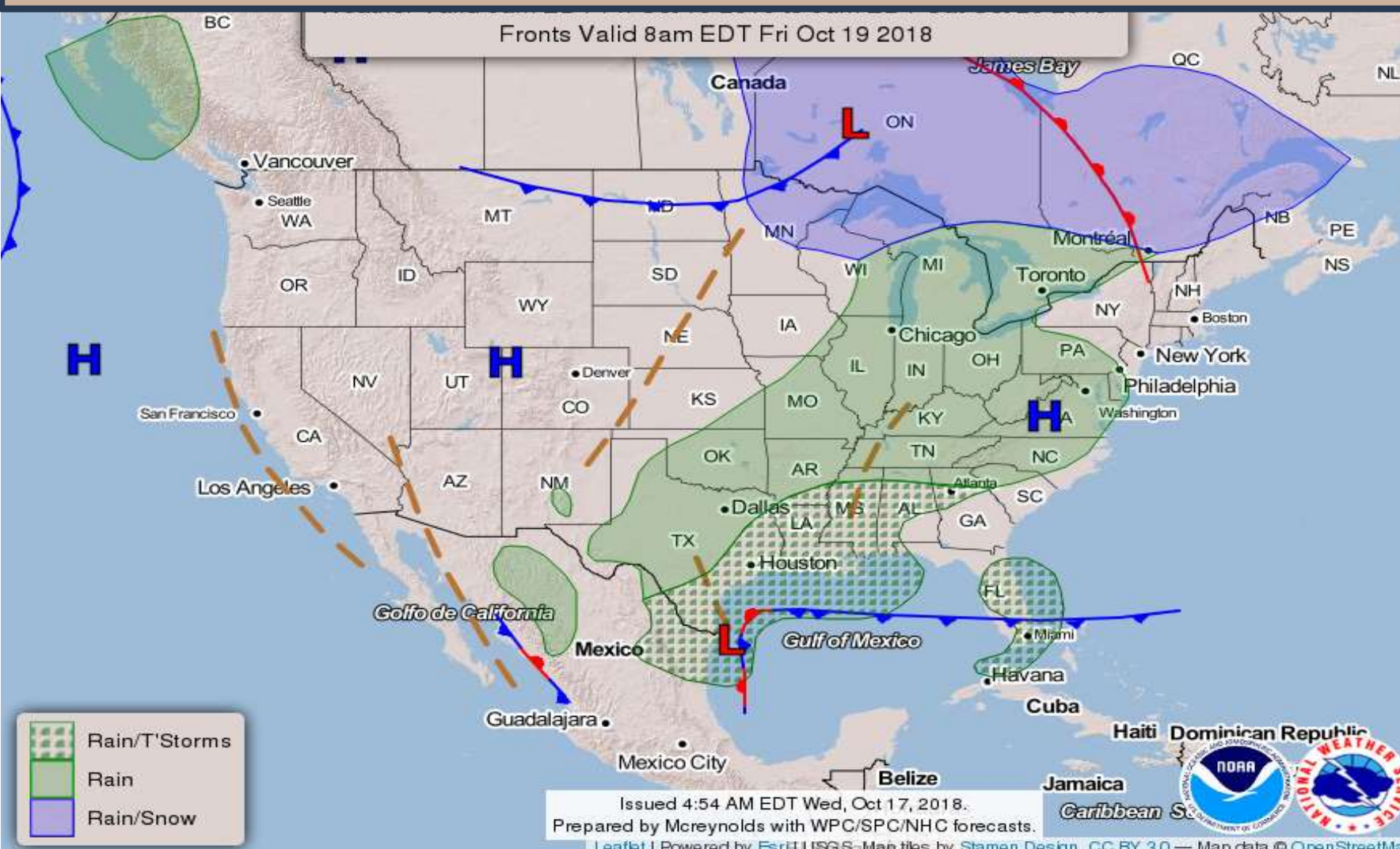


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Forecast Chart

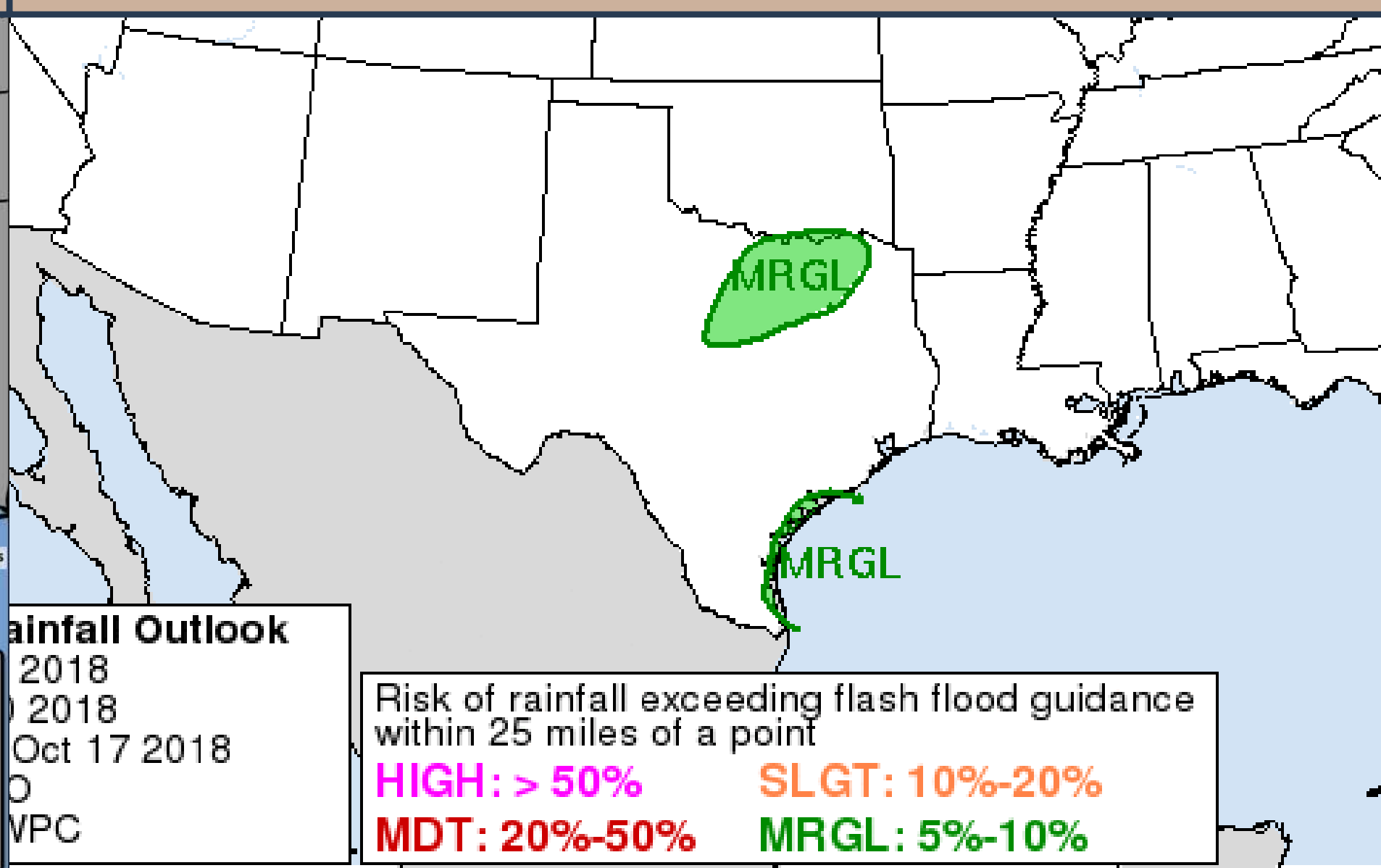
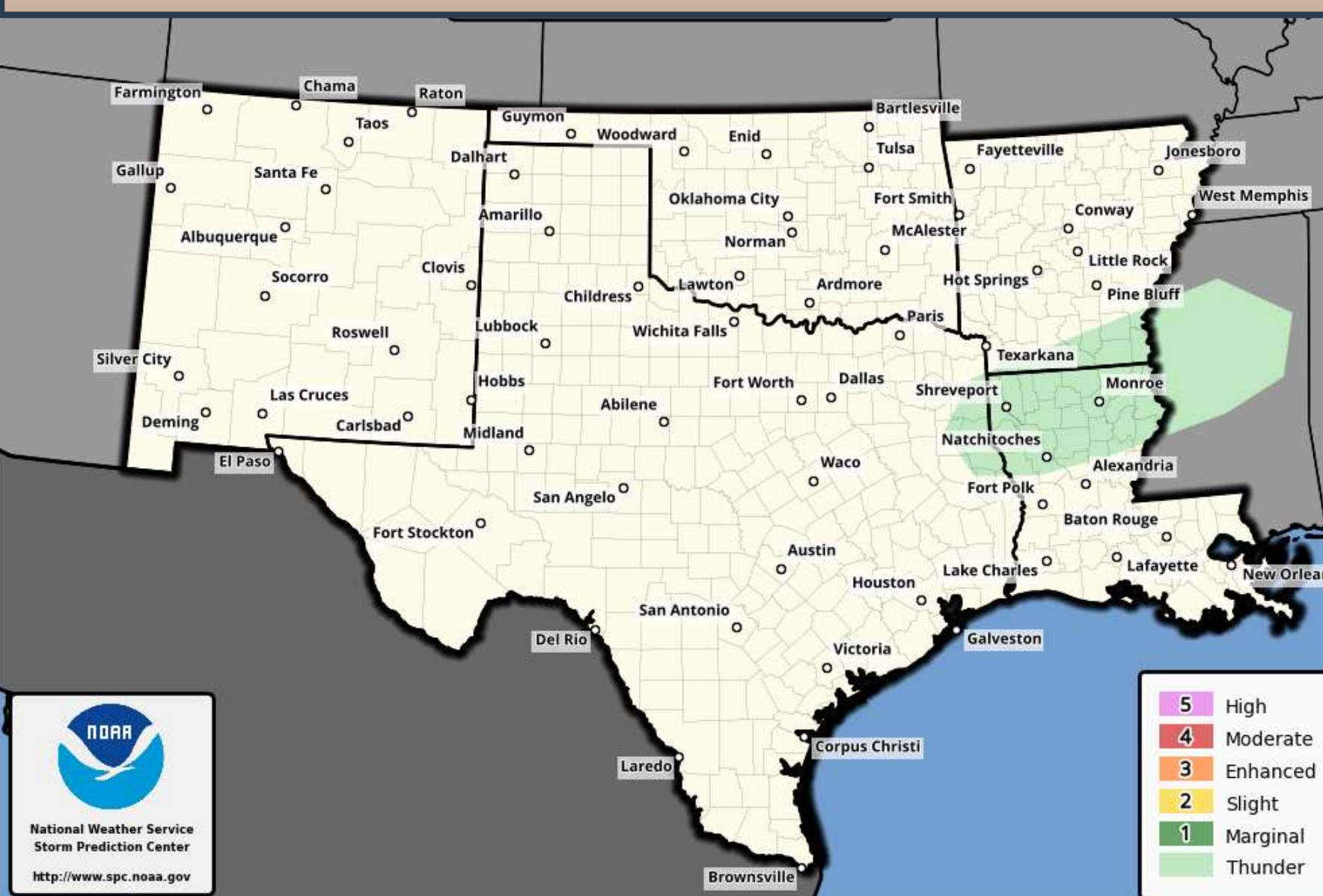
Forecast Rainfall

Isolated heavy rain / flooding possible over N-Central TX. Isolated flash flooding possible into S-Central TX where soils are completely saturated and there is ongoing flooding.



Severe Weather Outlook

Excessive Rainfall Outlook



Rainfall Outlook
2018
2018
Oct 17 2018
WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

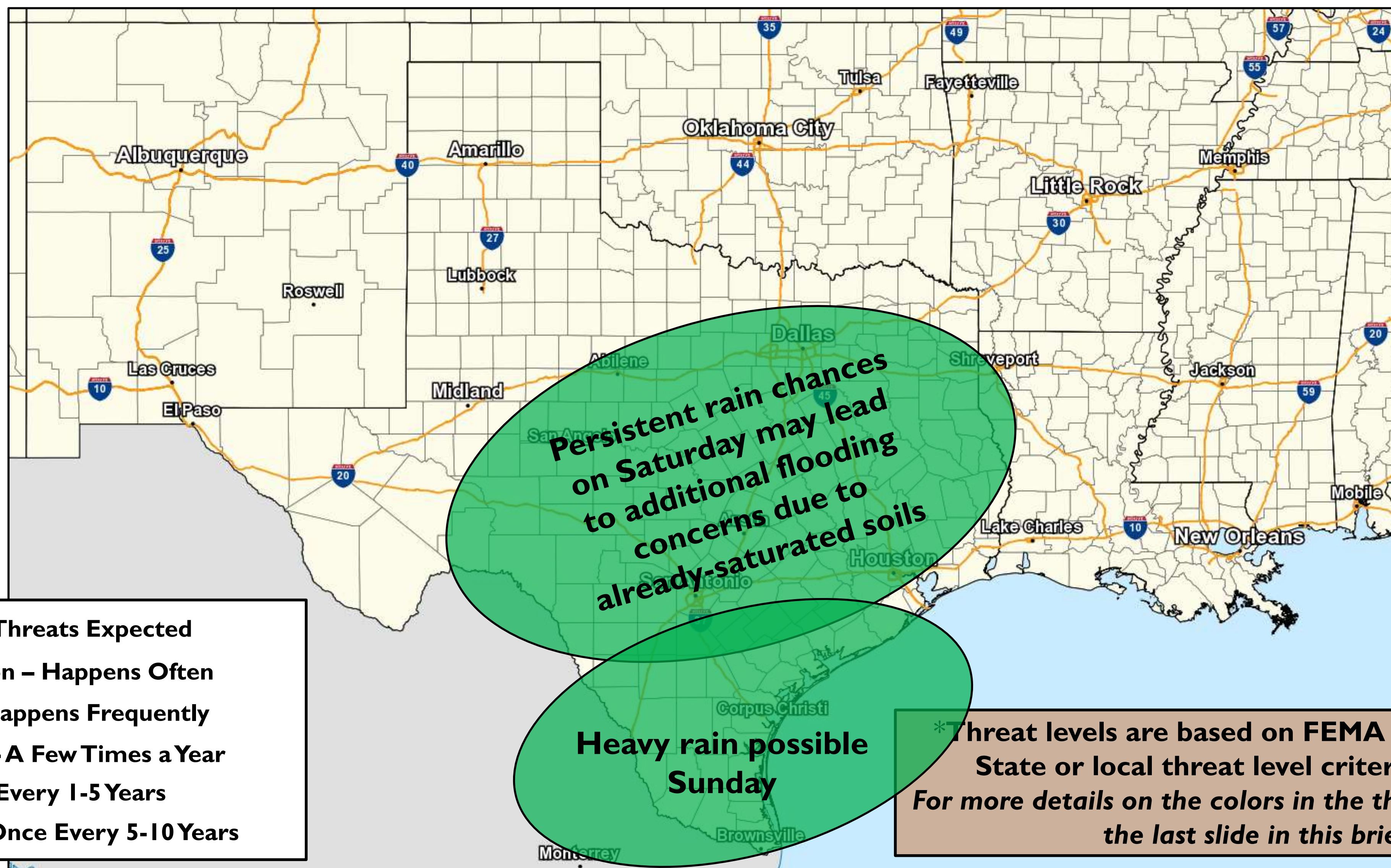
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Days 4-5 Weather Hazards

Saturday - Sunday



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- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
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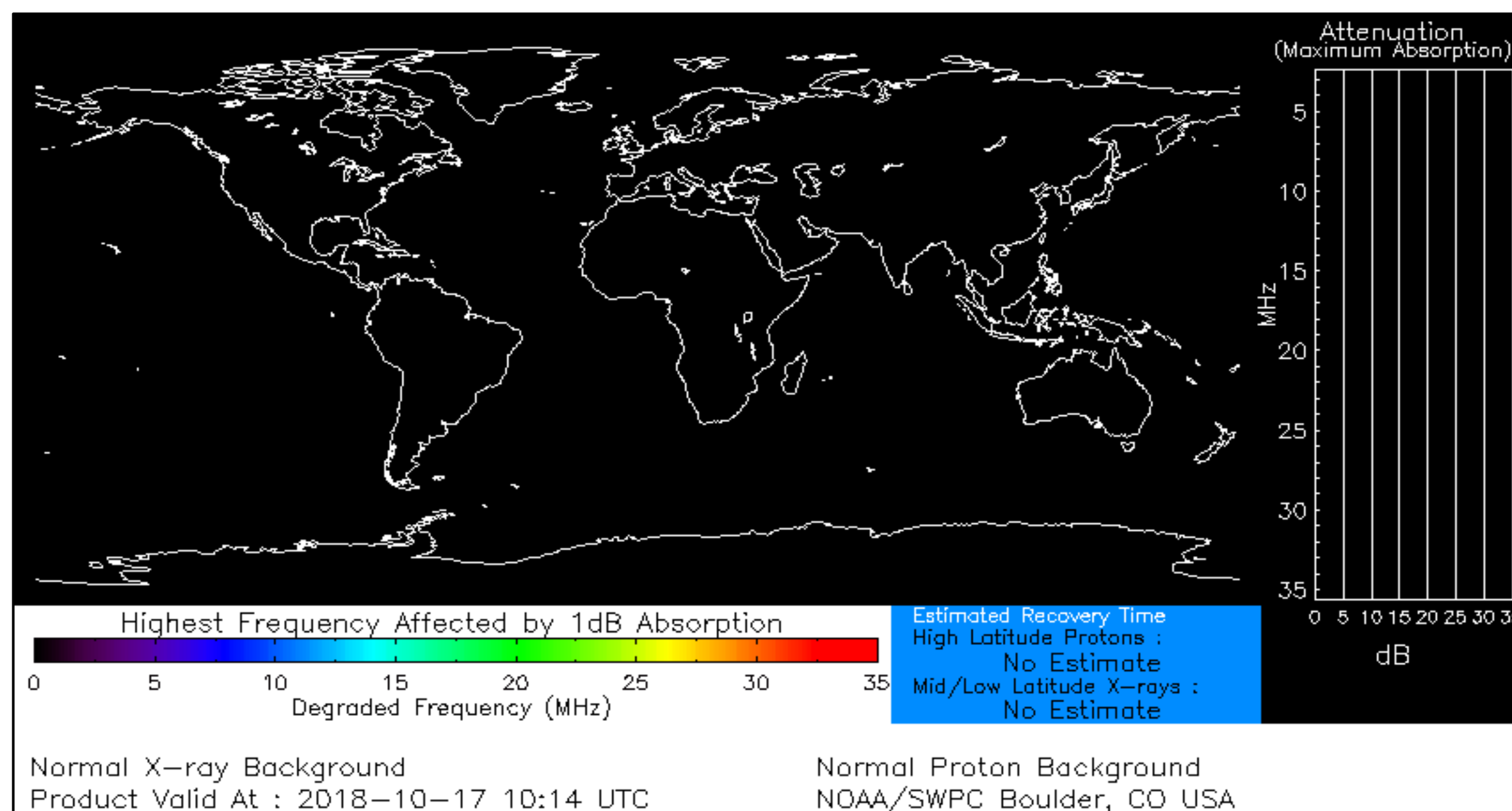
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Space Weather 3-Day Forecast



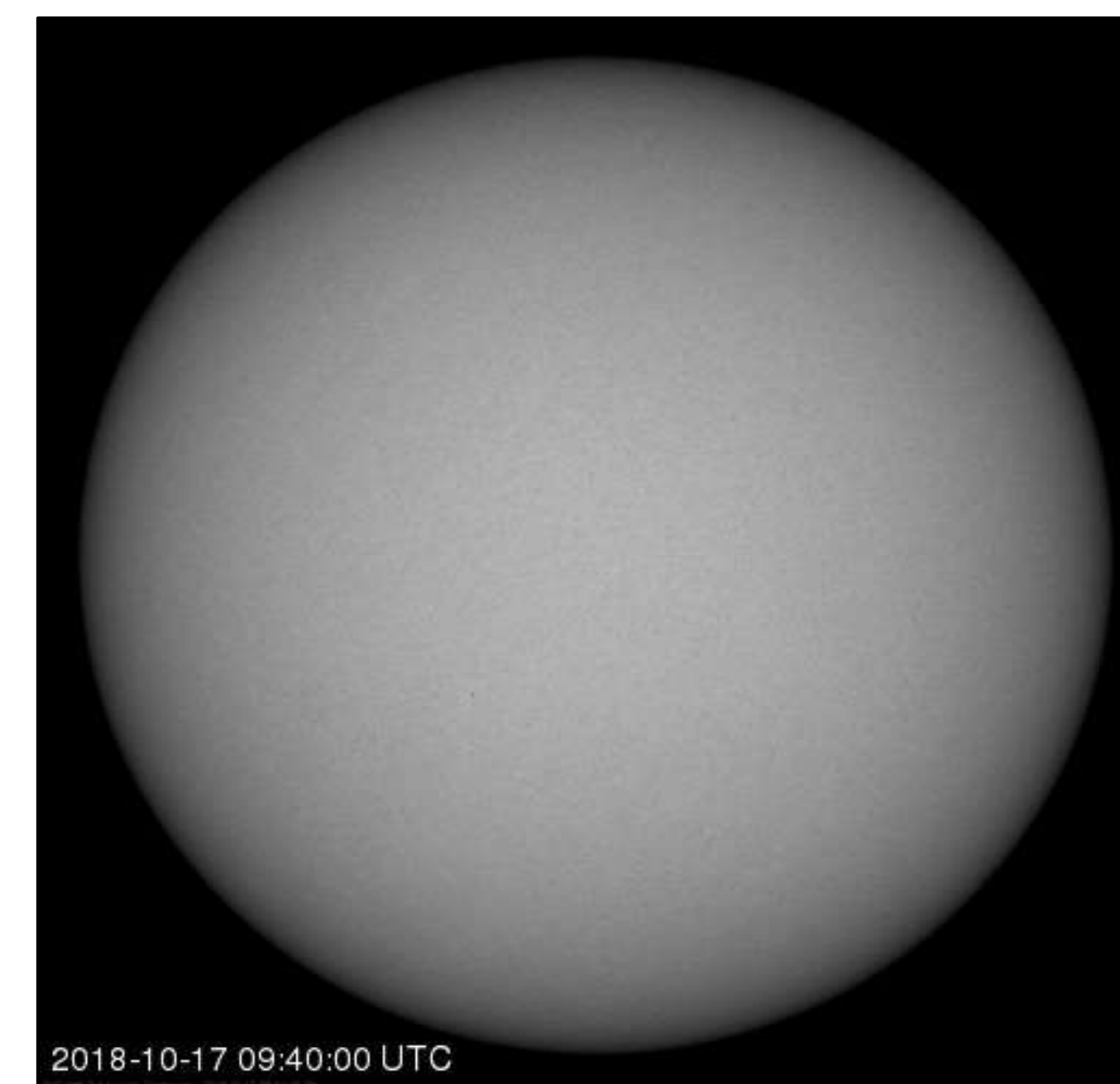
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	Wednesday	Thursday	Friday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet to Active (Max Kp = 4)	Unsettled to Active (Max Kp = 4)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov